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Post Shorts

Published in the interest of the people of Aberdeen Proving Ground

Recycling schedule

The recycling pickup for Wednesday, July 16, is plastic, glass and metal. Put items in blue bags and place them on the curb.

Change of command at KUSAHC, July 11

A change of command ceremony will be held July 11 at 9 a.m. on the front lawn of Kirk U.S. Army Health Clinic. Col. David D. Krieger will relinquish his command to Lt. Col. John M. Wempe.

Everyone is invited.

Roadwork at APG

All lanes of Maryland Boulevard will be closed at the intersection with Aberdeen Boulevard in the Aberdeen Area on July 11 and 12 while the road surface is milled and repaved.

Alternate routes are available. Aberdeen and Harford boulevards will remain open.

Public meetings on stockpile disposal

The U.S. Army will hold public information meetings July 16, 7 p.m. at the Edgewood Senior Center in Edgewood, and July 17, 7 p.m. at Chestertown Middle School in Kent County, Md.

The purpose of these meetings is to provide citizens with an update on the progress of mustard agent disposal operations at the Aberdeen Chemical Agent Disposal Facility, and provide information about a higher pH in some batches of the neutralization byproduct known as hydrolysate.

For more information, call the Edgewood Chemical Stockpile Outreach Office at 410-676-6800.

AA Thrift Shop bag sale, discount

The Aberdeen Area Thrift Shop will offer 10 percent off total purchase to patrons who present this

Customers can also take advantage of the \$3 brown bag sale in July. The cashier will fill bags at the counter with customer's selections from the donation room for \$3, no matter how many items.

The Thrift Shop sales hours are Wednesday, 11 a.m. to 6 p.m.; Thursday, 10 a.m. to 2 p.m. and the

See SHORTS, page 5

APG investigates eagle mortality rate



Photo by JOE ONDEK

This injured sub-adult eagle (approximately 4 years old) was sighted in the early morning hours May 12 in the forests of Aberdeen Proving Ground. It was taken to the Baltimore Zoo for rehabilitation for an injured shoulder and will ultimately be returned to APG for release.

DSHF

Aberdeen Proving Ground and the U.S. Fish and Wildlife Service have initiated formal consultation under the terms of the Endangered Species Act to study the health of the bald eagle population on the installation.

The parties are concerned about an increase in the number of accidental eagle deaths and injuries.

While in recent years the installation has noted the loss of about two birds per year, over the past 18 months the number has reached 17, primarily caused by the birds flying into power lines.

In recent decades, APG has become the most successful home for bald eagles in the northern Chesapeake area, according to Jim Pottie, APG wildlife biologist, .

"In 1978, APG counted six eagles and one eagle nest," Pottie said. "This year, in our mid-winter survey, we counted 250 eagles. That's a record number. We also identified 24 successful eagle nests — nests with one or more chicks."

"Eagles are attracted to APG because the proving ground is largely undeveloped, located near a large body of water with an abundant supply of fish for food, and has numerous tall trees, which can be used for nesting and roosting," Pottic added.

The dramatic increase in the number of nesting and roosting eagles has resulted in the distribution of nests and roost areas throughout the 34 thousand acre installation.

Most of the acreage is devoted to automotive and munitions test ranges, as well as training and administrative areas. Over the years, eagles and other wildlife have coexisted with this activity and flourished. In the past 18 months, however, APG officials noted an increase in the number of eagles deaths and injuries on the installation

In recent years the installation has suffered a loss rate of about two birds per year, usually from electrocution caused from landing on power poles.

For many years the installation has had an aggressive program **See EAGLES, page 7**

APG Police Academy graduates 27



Irving Soto, Tactical Defense instructor, Aberdeen Proving Ground Police Academy, puts a medal of accomplishment around the neck of Officer Ronald Lewis, Fort Detrick Police, at the APG Police Academy, Class 02-03 graduation ceremony, June 26.

Story and photo by **Sonya P. Reynolds**APG News

Twenty-seven cadets received the stamp of approval at the Aberdeen Proving Ground Police Academy graduation ceremony at the APG Post Theater, June 26.

After a brief welcome and invocation, Robert W. Krauer, APG Garrison director of Law Enforcement and Security, addressed the importance of an effective academy at APG, adding that he was hired seven years ago to implement such a program.

"I know the last nine weeks have been tough. I challenge you to go back to your community and do the right thing," Krauer said, adding how proud he was of the accomplishments of the graduates.

Instructors praised students from the academy who went through 10 weeks of training and instructors said the graduates are more than worthy of praise.

"They had a lot of confidence and they went above and beyond," said Paul Chin, physical fitness instructor.

Sherry Tostado, graduate, Defense Logistics Agency Police, San Joaquin, Calif., was just as excited about the training coming to an end but also felt that it will help enhance her law enforcement career.

"The instructors were rough but it was worth it. I will never forget it. Each class goes through changes for the better," Tostado said. "When I go back to work, I will be able to represent myself, and fellow officers in a great way."

The spokesperson for Class 02-03, Officer Thomas Wardrope, APG Police, said everyone in the academy had their own identity, which helped to make up a unique class. He continued saying that students went through a lot but they did survive physical training and war games, and law enforcement officers were more

See CEREMONY, page 12

APG looks for a few good women

Anne Gibson

In recognition of Women's Equality Day, the Aberdeen Proving Ground Federal Women's Program is accepting nominations for Outstanding Woman of the Year, Supervisor/Manager of the Year and Activity Most Supportive of FWP goals.

These awards recognize those individuals and organizations exemplary in their support of FWP goals.

The nominees will be judged using the following criteria:

Outstanding Woman of the Year

All female civilian and military employees of APG are eligible.

If a woman is in a managerial/supervisory position, the following criteria

(1) Participates in/supports FWP activities, or is an active member of an organization which supports FWP goals, i.e., Federal Women's Program, Federally Employed Women, Commission for Women, Federal Executive Board.

Nominations must document specific dates and programs in which the individuals participated.

Higher consideration will be given to those who participated from July 2002 through May 2003.

(2) Serves as a mentor and inspires others to reach higher standards (give examples).

(3) Sets examples of professionalism and commitment to the organization which others (women and men) strive to emulate.

(4) Continues education.

Outstanding Supervisor/Manager of the Year

All civilian or military supervisors/managers at APG are eligible. Nominees must provide examples supporting the following criteria:

(1) Encourages women to further their education (via traditional or non-traditional means). Nominates women for long-term training and developmental assignments.

(2) Attends and encourages the work **See WOMEN, page 7**

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Military uniforms in the making

Ongoing renovations modernize Edgewood Area Chapel

Story and photos by **Yvonne Johnson**

Y vonne Johnson APG News

Despite the inconvenience of having to relocate their worship services, the congregations of the Edgewood Area Chapel can look forward to having a safer, more modern, and handicap accessible facility at their disposal when the ongoing renovations are completed.

The demolition part of the project began mid-June and installation and restoration is due for completion in early December, according to Kirk Simmons, Directorate of Installation Operation construction representative.

"Our plan is to finish by December 1. At the very least, we'd like to have the sanctuary done as soon as possible," Simmons said.

Simmons works onsite with Benjamin Ambon Jr., superin-

tendent for the prime contractor, Centennial Contractors, a Virginia-based firm, and John King, operations manager for the sub-contractor, Barco Enterprises.

Simmons said the chapel's improvements include replacing the pipes for the heating and air system; installing new windows, a new sprinkler system, light fixtures, and carpeting; and removing, refinishing and replacing the pews and wood paneling known as wainscoting, that line the walls in the sanctuary.

In addition, the building will be made more handicap-accessible. The doorways in the administration area will be widened, and the restrooms renovated, with a new ramp added to the side entrance of the administration wing.

"The biggest part of the **See CHAPEL**, page 6



Centennial Contractor employees excavate soil to prepare for the removal of heating and cooling pipes that run beneath the floor of the Edgewood Area Chapel. The building should be complete by Dec. 1.



Baltimore rappers Rocknell, left, and Shi-Guy of Straight Up Records, perform on the Edgewood Area Recreation Center stage during the Salute the Troops concert, June 13.





Above, Dean Crawford wows APG soldiers with his rendition of Garth Brooks' "Friends in Low Places" during the second Salute the Troops concert at the Aberdeen Area Recreation Center, June 27. Left, Pvt. Jesse Alexander, Company C, 16th Ordnance Battalion, shakes country and western singer Dean Crawford's hand after receiving a signed autograph.

MWR delivers musical salutes to APG troops

Story and photos by **Yvonne Johnson**

The national show of support to the nation's armed forces reached Aberdeen Proving Ground in the form of two free "Salute the Troops" concerts by local artists, courtesy of Morale, Welfare and Recreation, June 13 and 27 at the Edgewood and Aberdeen area recreation centers.

On June 13, rap artists from Baltimore's Straight Up Records and Joppa's own Small World Entertainment dazzled the soldiers of the 143rd Ordnance Battalion with fancy footwork and smooth rap sounds from their label artists such as Shi-Guy, Big Chief, Glock Styles and Ju-Ju.

Lee E. Gladden Jr., SWE president, and a former military policeman with APG's Headquarters Support Troop, runs the "up and coming" record label.

"My main goal is to bring more talent to these soldiers," Gladden said, adding that the groups focus on positive messages.

"We offer good, clean, tasteful talent the soldiers can enjoy after a rough week of training," Gladden said.

Devontrey Scott, vice-president of Straight Up Records, said he enjoyed the opportunity to showcase Baltimore's hottest new talents. "We offer all types of music, from Motown to the latest rap,"

Scott said, adding that he brought rappers and dancers.

"It's a lift for us to see these soldiers enjoying it."

The troops filled the dance floor, grooving to the music as about a dozen dancers, rappers and "hype men" got them going with the latest sounds.

Earlene Allen, MWR program manager, organized the events. "It means a lot to these troops to have an outlet like this," Allen said, noting that several offered their thanks and requests for future events like this one.

"MWR is all about catering to the desires of our service members," she added. "They are the reason we're here."

On June 27, soldiers of the 16th Ordnance Battalion and the Noncommissioned Officer Academy were treated to a two-hour concert by Baltimore-based country and western sensation, Dean Crawford and the Dunn's River Band.

Crawford captivated the soldiers who crowded at the stage, joining in on songs like "Friends in Low Places," "God Bless Texas" and "God Bless the U.S.A."

Not the least bit bashful about mingling with the audience, Crawford invited soldiers on stage to dance and sing and even sat on the stage, serenading the troops who gleefully gathered around him.

At the concert's end, Crawford remained to sign autographs and that with the soldiers

"Music is my passion and to come share it with these troops means the world to us [Crawford and the Dunn's River Band]," Crawford said.

Jamaican born and raised, and a singer since age 10, Crawford see him again.

said his goal is to bring his fresh style of country music to all audiences.

"I've always loved country music," Crawford said, adding that his inspirations are the likes of Dolly Parton, Charlie Pride, Kenny Rogers and Conway Twitty, among others.

"We've achieved our goal when the music reflects the joy that is here tonight," added Crawford's manager, Juanita Maldonado.

"The smiles on the faces of these troops made it worth our while," she said. "It was indeed a series of special and precious

moments."

Several soldiers who stood in the long line awaiting autographs agreed.

"I loved it," said Pvt. Jarred Dupre, Company B, 16th Ordnance Battalion. "I never heard of him before but I'm a fan now."

"I knew every song," added Pvt. Brian Crump, a native of North Carolina with Company C, 16th Ordnance Battalion. "He's something special," Crump said of Crawford. "He's going places."

Pvt. Jesse Alexander, Company C, 16th Ordnance Battalion, said the group was more than welcome to return to APG.

"It was a great performance and we had a great time. I hope they return before we leave here," Alexander said. "We'd love to see him again."

Watch card

Do observe and report:

- Unusual or suspicious activity or suspected surveillance.
 Unusual questions or requests for information relating to capabilities, limitations, or operational information.
- Unusual vehicles operating in or around the installation.
- Unusual phone calls, messages, or e-mails.
- Unusual contacts on or off post.
- Unusual aerial activity near or around installation.
- Any possible compromise of sensitive information.

Do not:

- Discuss any aspect of military operations or planning.
- Discuss military capabilities or limitations.
- Discuss force protection

measures, capabilities, or posture.

• Disclose any information related to unit deployments.

Report any suspicious activity immediately to DOD Police:

Aberdeen Area 410-306-2222 Edgewood Area 410-436-2222 Off post in Maryland, call 1-800-492-TIPS (8477)

Your call may save lives.

Patriotic spirit spreads throughout Roye-Williams Elementary School

Story and photo by **Sonya P. Reynolds**APG News

'Because they care' is the best way to explain the actions behind the students at Roye-Williams Elementary School who held fundraisers and a donation campaign to purchase care packages for those who are actively engaged in Operation Iraqi Freedom and the fight against terrorism.

Jen Mesaros, the school's art teacher, and Amy Cattrano, the school's guidance counselor, coordinated the campaign titled 'United We Stand,' that started on April 7 and lasted until April 30 and raised \$600 dollars.

Mesaros said that she was very pleased at the

"I was proud of the students for their support **See DONATION**, page 14

APG News

The *APG News*, a civilian enterprise newspaper, is an authorized publication for members of the U.S. Army. Contents of the *APG News* are not necessarily official views of, or endorsed by, the U.S. government, Department of Defense, Department of the Army or the U.S. Army Garrison, Aberdeen Proving Ground. The newspaper is published weekly by the APG Public Affairs Office, ATTN: AMSSB-GIM-P, APG, MD 21005-5005, 410-278-1150. Printed circulation is 8,900.

Everything advertised in this publication shall be made available for purchase, use or patronage without regard to race, color, religion, sex, national origin, age, marital status, physical handicap, political affiliation or any other nonmerit factor of the purchaser, user or patron. If a violation or rejection of this equal opportunity policy by an advertiser is confirmed, the printer shall refuse to print advertising from that source.

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For advertising matters, call Homestead Publishing, 410-838-4400. Send articles or information for publication to the APG Public Affairs Office, Building 2201, AMSSB-GIM-P, APG, MD 21005-5001; call the editor at 410-278-1150, DSN 298-1150; send a fax to 410-278-2570; or send e-mail to editor@usag.apg.army.mil.

Deadline for copy is Thursday at noon for the following Thursday's paper.

Staff

APG UNIT OPENS JULY 4TH PARADE



Photo by DIANE BURRIER

Solemn remembrance quiets crowd

This High Mobility Multi-purpose Wheeled Vehicle was the symbolic "Parade Grand Marshal" in the Kingsville, Maryland Fourth of July Parade. It was adorned with the "missing man" display, honoring all who served the United States in Operation Iraqi Freedom -- especially those who deployed but did not return

Riding in the 143rd Ordnance Battalion vehicle are representatives from the armed services, standing for those who served and are still serving from all branches of service.



Wayne Kaiser, U.S. Army Aberdeen Test Center Meteorology Team, services the Wet Bulb Globe Temperature sensor at Phillips Army Airfield.

To avoid heat injuries, use Wet-Bulb Globe Temperature Index

Story and photo by **Charles Clough**

Now that the heat and humidity have arrived, Army personnel should be aware of the danger of heat stress. Supervisors in particular should try to plan outdoor jobs and training to avoid unnecessary heat injuries to their personnel. A planning aid is the Wet-Bulb Globe Temperature Index.

The WBGT was created by the military to reduce heat injuries during strenuous physical training programs and military maneuvers. It is one of the best measures of heat stress to the body.

Unlike nearly all of the other heat stress indices, the WGBT takes into account three of the most important mechanisms that the body uses to cool the outer skin.

The human body is designed with several skin-cooling mechanisms. The best known and most important one is sweating - cooling by evaporation. Sweating can very effectively lower body skin temperature if the body has enough fluid, if evaporation is not hindered by high humidity, and if sufficient air contacts the

Unfortunately, even with drinking enough water and wearing loose clothing, heat injuries during summer weather at APG still occur. Heat injuries can occur here because of the high humidity, which often lasts well into the fall season due to the warm waters in the Chesapeake Bay.

Wind motion against the skin, or convection, also cools the body. Convection helps cool the body if the wind is 5 mph or more, and the air temperature remains below 98 degrees. Convection also increases the evaporation of

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The third cooling mechanism - accounted for by the WBGT, but not by the other standard heat indices, is infrared radiation. Since the body could never get hot enough to visually glow, it has to radiate away heat by "glowing" in the infrared area of the energy spectrum. (This is the same phenomenon that causes infrared imagery of the human body in Army target systems.) High humidity in the air makes it harder for body heat to escape. High humidity creates the feeling of being in a greenhouse because the water vapor that makes it humid is a much better greenhouse gas than carbon diox-

The WBGT takes into account all three body cooling mechanisms - evaporation, convection, and radiation - with a temperature value that usually fluctuates during the summer at APG between 70 degrees and extreme values of the high 80s and high 90 degrees.

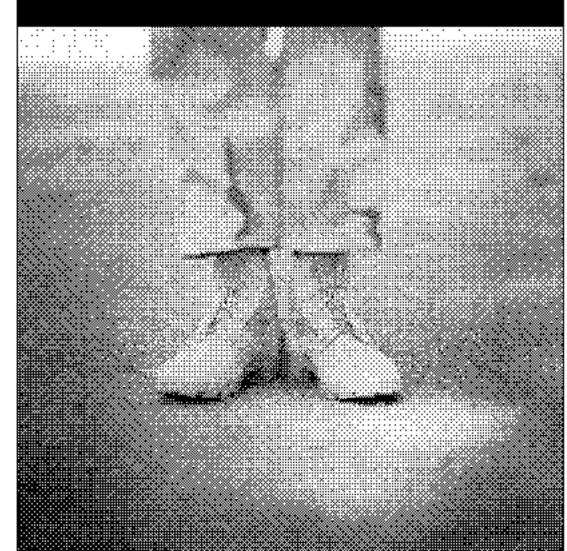
Personnel can access the current WBGT measured at Phillips Army Airfield at the Internet site www.atc.army.mil/weather/. During normal business hours anyone can access WBGT high value alerts by calling 410-306-

Army supervisors and commanders should respond to WBGT values according to the guidelines of the joint Army/USAF Technical Bulletin, "Heat Stress Control and Heat Casualty Management," TB MED 507 / AFHN-BK 48-152, March 7, 2003. Generally, for most activities with personnel unaccustomed to APG summer high temperature and humidity, one should start taking precautions whenever the WBGT goes higher than 82 degrees. Precautions include drinking more water and



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Community Notes

MONDAY THRU FRIDAY JULY 7 THRU AUGUST 1 ASSISTANT CAMP COUNSELORS NEEDED

Volunteers are needed to assist youths at summer camp, 8 a.m. to 3 p.m. Summer camp in Edgewood is sponsored by Family Tree. Training will be provided.

For more information or to volunteer, call Volunteer Connection RSVP at 410-638-4444.

FRIDAY JULY 11 BASKET BINGO

Basket Bingo to benefitThe Juvenile Diabetes Research Foundation will be held at the Aberdeen Fire Hall, Rogers Street, Aberdeen. Tickets cost \$10; additional cards are \$5 each. Doors will open at 6 p.m.; bingo begins at 7 p.m. Food, drinks and baked goods will be available. Tickets are available by calling Mary Sell, 410-893-0687, Leslie Plume, 410-515-2620 or Brenda Conjour, 410-273-7332.

SATURDAY **JULY 12 BASKET BINGO**

Basket Bingo to benefitThe Darlington Volunteer Fire Company will be held at the Darlington Volunteer Fire Company. Tickets cost \$10; additional cards are \$5 each. Doors will open at 6 p.m.; bingo begins at 7 p.m. Food, drinks and baked goods will be available. Tickets are available by calling Delores Wright, 410-836-3619 or Barbara Evans, 410-638-3760.

FRIDAY THRU SUNDAY JULY 18 TO 20, 25 TO 27 HCC OFFERS MILITARY DISCOUNT

The Phoenix Festival Theatre wants you, a few good men and women, to attend "A Few Good Men" by Aaron Sorkin at a military discounted rate of \$6 (with proper identification). Harford Community College's PFT will present the play directed by Todd Starkey, July 18 to 20 and 25 to 27 in the Chesapeake Theater located on campus.

Based on the movie of the same name starring Tom Cruise, Demi Moore, and Jack Nicholson, the play depicts the trial of two Marines who are being tried for complicity in the death of a fellow Marine at Guantanamo Bay.

Tickets for "A Few Good Men" are \$12 for adults, \$6 for patrons age 17 and younger, \$6 for seniors (Sundays only), and \$6 (with military identification). For more information or to order tickets, call the HCCTicket Office at 410-836-4211 or 410-879-8920, ext. 211.

ForTTY, call 410-836-4199. Harford Community College is located at Route 22 and Thomas Run Road in Bel Air.

SUNDAY JULY 20 BASKET BINGO

VFW Post 8185, Route 222, Port Deposit, will sponsor a nonsmoking Basket Bingo. Doors open at 2 p.m. and bingo will start at 3 p.m.

Tickets cost \$10 and include all paper cards. Food, beverages, baked goods, door prizes and raffles will be available. No smoking permitted. For more information, call Anne Gibson at 410-378-3338, Brenda Conjour at 410-273-7332, Kathy Heaton at 410-378-3594, or Stephanie at 410-378-2672.

BASKET BINGO

Basket Bingo to benefit VFW Post 8185 will be held at the VFW Post 8185, Route 222, Port Deposit. Tickets cost \$10; additional cards are \$5 each. Doors will open at 2 p.m.; bingo begins at 3 p.m. Food, drinks and baked goods will be available. Tickets are available by calling Anne Gibson, 410-378-3338 or 410-939-1937 or Brenda Conjour, 410-273-7332.

TUESDAY

JULY 22 SEMINAR ON HOME BUYING-IN SPANISH

Aberdeen Proving Ground Federal Credit Union is offering in Spanish a free Mortgage and Home Buying Seminar, 6 to 7:30 p.m. at the Community Meeting Room at APGFCU Operations Center in Edgewood, 1321 Pulaski Highway. To reserve a space, call 410-272-4000 or 1-800-225-2555 ext. 6130 or 2158.

SATURDAY AND SUNDAY JULY 26 AND 27

THE SECOND ANNUAL MARYLAND SHOOT FORTHE CURE

Deer Creek Archery and the Susan G. Komen Breast Cancer Foundation are teaming up to hold a 3D shoot for the cure, 9 a.m. to 5 p.m.

Bring personal equipment or use Deer Creek Archery supplied equipment. All archers will be shooting at IBO approved 3D targets by Delta Targets in the world's largest indoor range.

The cost of the shoot is \$20 with proceeds going to the Susan G. Komen Breast Cancer Foundation. All registrants will be eligible for door prizes donated by Deer Creek Archery, archery manufacturers, and friends of Deer Creek Archery. Muzzy Silent auction items consist of a Schrader's Hunting youth hunt, a BuckShot treestand, and a Remington 50 Caliber Model 700 muzzle loader.

To register, visit the store at 3021 Churchville Road, Churchville, or the Web site at **www.deecreek-archery.com** and look for '2003 Shoot For The Cure Registration.'

SATURDAY JULY 26 HOMEBUYER'S WORKSHOP

Home Partnership, Inc., a nonprofit agency, will offer a free seminar on how to buy a home, 9 a.m. to 3 p.m. at the Wilson Community Center on 1024 Main Street in Darlington.

A free lunch will be provided. Registrants must call 410-297-6700.

MOVIES

ADMISSION: ADULTS \$3, CHILDREN \$1.50, building 3245 Aberdeen Boulevard. To verify listing, call 410-272-7520.

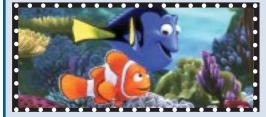


ITALIAN JOB Friday, July 11, 7

p.m. Starring: Mark Walhberg, Edward Norton

Charlie was pleased after

pulling off an amazing gold bullion heist from a heavily guarded palazzo in Venice, Italy. The plan was flawless, the job was executed perfectly, the escape was clean. The only threat Charlie never saw coming was from a member of his own crew. He couldn't believe it when one of them turned out to be a double-crosser. Now the job isn't about the payoff, it's about payback. (PG-13-violence and some language)



FINDING NEMO

FREE ADMISSION Saturday, July 12, 1 p.m.

Starring: Animated

Marlin desperately searches the sea for his missing son, Nemo. Little Nemo finds himself in a dentist's fish tank in Syndey, Australia, along with other underwater captives. As Nemo works with his new friends on a plan to escape their tank, Marlin swims closer but he'll need more than just fins to get into the dentist's office. (G)



BRUCE ALMIGHTY FREE ADMISSION

Saturday, July 12, 7 p. m. Starring: Jim Carrey, Jennifer Aniston

Bruce Nolan, a 'human interest' TV reporter in Buffalo, New York, who is discontented with almost everything in life, despite his popularity and the love of his girlfriend Grace, at the end of the worst day in his life, angrily ridicules and rages against God, and God responds. He appears in human form and, endows Bruce with all of his divine powers, challenges Bruce to take on the big job and see if he can do it any better. (PG-13-language, sexual content and some crude humor)



THE IN-LAWS Saturday, July 12, 9 p. m.

Starring: Albert Brooks, Michael Douglas

In this riotous remake of the 1979

comedy "The In-Laws", prospective fathers-in-law Steve and Jerry meet for the first time to celebrate their children's upcoming marriage. After the cake hits the fan, Jerry and Steve discover they can truly be an effective team.

(PG-13-suggestive humor, language, some drug references and action violence)

Post Shorts

From front page

first Saturday of the month, 10 a.m. to 1 p.m.

Consignment hours are Wednesday, 11 a.m. to 1 p.m. and 4:30 to 5:30 p.m. and Thursday, 10 a.m. to 1 p.m. For more information, call 410-272-8572.

Arm wrestling to benefit the USO

Give your right arm for freedom, security and safety by entering the First Federal Hill Arm Wrestling Contest. Net proceeds will go to Operation USO Care Packages for deployed U.S. soldiers; the Baltimore City Order of Police Memorial Fund; and the Widows and Orphans Fund for Baltimore City Firefighters.

Contests will be held at 7 p.m. every Tuesday night through July and August at local Federal Hill, Baltimore locations and are open to all males (18 years of age and over), right arms, in five weight classes: 154, 171, 189, 209 and 209 pounds and over. The finals will be held at Bohager's on Sept. 11 in remembrance of Sept. 11,

First place winners in each weight class will receive \$1,000 and second place winners in each weight class will receive \$500. Registration costs \$25, payable by check or money order to Mob Town Productions, LLC, 408 Westgate Road, Baltimore, MD 21229. Include a copy of photo I.D.

Early registration by mail will be appreciated, however, walk-ins are welcome. For more information and registration, call Mob Town Productions, LLC at 410-945-4799, or www.mobtownproductions.com. This event is sanctioned by the American Arm

ACS holds classes

For more information or to register for the following classes, call Marilyn Howard, tions that show interest.

ACS employment readiness manager at 410-278-9669.

Seating is limited. Participants must register at ACS, building 2754.

Lunchtime basic computer classes

The Army Community Service Employment Readiness Program will offer Lunchtime Basic Computer Classes, 11 a.m. to 1 p.m. on Tuesdays and Wednesdays at the ACS Employment Computer Lab, building 2754, room 205. All sessions are for two days.

Classes are scheduled to be held July 22 and 23; July 29 and 30; Aug. 5 and 6, 26 and 27; Sept. 2 and 3 and 9 and 10.

This hands-on course is designed for those with little or no background in computers. Students will learn basic skills needed to operate a computer, how to access the Internet and navigate through MS word.

Job search classes

The Army Community Service Employment Readiness Program presents "How Do I Get Started? Let Us Help With Your Job Search." Classes will be held July 31, Aug. 14, Sept. 25 and Oct. 30. 10 a.m. to noon in building 2754, ACS Computer Lab, room #205.

All classes include: Where are the Resources; Basic Resume Information; Using MS Word features for your Resume; and an Internet job search session.

Job interview workshop

The Army Community Employment Readiness Program will present a job interview workshop on July 29, 9:30 a.m. to 12:30 p.m., at Army Community Service, building 2754 Rodman Road, classroom #103.

The class will teach participants how to make a positive impression during an interview and how to answer questions effectively and ask ques-

An interview session will give participants an opportunity to practice what they

C&GSC classes forming at APG

Command and General Staff College Phase I and Phase III classes are forming now for fall.

For more information about Phase I enrollment, e-mail Maj. Alice Roosa alice.roosa@us.army.mil or for Phase III enrollment, Lt. Col. Mark Valeri at mavaleri@regaldecision.com.

APG College Fair, Aug. 21

APG will hold the 15th Annual College Fair, Aug. 21, 4 to 6 p.m. at the Aberdeen Area Recreation Center. Anyone interested in furthering their education through resident, extended learning or distance learning courses should attend.

Veterans Administration, Green-to-Gold. AARTS/SMART Transcript -Council American Education, and Troops-to-Teachers representatives will be on hand to answer questions as well as representatives from 24 organizations.

For more information, call the Education Center at 410-278-3515/2481/2380.

EA to conduct fire hydrant flow tests

The Fire and Emergency Services Division required annual fire hydrant flow testing in Family Housing on the Edgewood Area is expected to be completed by July 28.

Testing will be conducted between 9 a.m. and 3:30 p.m. daily. Residents noticing rusty or cloudy water should let a faucet flow until the water runs

Any questions can be directed to Inspector Thomas Stanford at 410-436-2377.

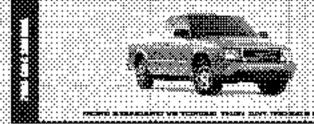


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EA water treatment plant opens for business

Yvonne Johnson APG News

With the renovation of the Edgewood Area's Canal Creek Groundwater Treatment Facility completed, organizers marked its official opening with an outdoor ceremony, June 27.

Timothy J. McNamara, director, Directorate of Safety, Health and Environment, led the program.

Renovation of the facility, which began February, 2002, implemented a design-build concept in which the new plant was constructed inside the existing facility.

Due to groundwater contamination, the Edgewood Area has been identified as a Superfund site by the Protection Environmental Agency. The CCGWTF is tasked with the chore of cleaning up EA groundwater.

Guests of the ceremony included Maj. Gen. John C. Doesburg, commander of APG and the U.S. Army Soldier and Biological Chemical Command; Col. Charles J. Fiala Jr., commander, U.S. Army Corps District; Mary Beth Carozza, Directorate of Installation

Harford County Council, and representatives of U.S. Senator Paul Sarbanes and Maryland Representative C.A. (Dutch) Ruppersberger.

facility was completed ahead of schedule and more than \$400,000 under budget, thanked the regulatory agencies involved in its renovation.

"This is a great credit to those who had the foresight to do this project," McNamara

Doesburg said that contamination occurred due to major chemical warfare production during World War I.

"What is happening here is the ability to reclaim this installation and reuse it in a way it's never been used before," Doesburg said.

Noting the age and history of the proving ground, he added that, "in the process of cleaning up, this [facility] will take the next step forward for the community and for the Chesapeake Bay."

He thanked the joint efforts Engineers, Baltimore of DSHE; USACE; the

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10 Hayə St, Bel Air, MD 21014.

deputy chief of staff to Operations; the Maryland Maryland governor Robert Department of the Environ-Ehrlich; Cecilia Stepp, ment; the Environmental Protection Agency Region III; the Restoration Advisory Board; the U.S. Army Environmental Center, and Weston Solutions, Inc., the McNamara, noting that the prime contractor, for contributing to, "what we are about today."

> "We are proud to be a part of this project," Doesburg said.

> Fiala called the project the "best example of teamwork and cooperation that I have experienced."

> He and George Hollowell, USACE on-site project manager, presented Baltimore District 2002 Team Honors Awards to Corinne Murphy, Weston: John Wrobel, William Lowe, Skip Booze, Craig Burt, Miles Gelatt, Jerry Norris, Allison O'Brien and Dennis Powers.

> In addition, Fiala awarded Hollowell, Wrobel, DSHE project officer, and Murphy, Weston project manager, the prestigious Corps of Engineers' Spirit Award, silver level, for the design and operation of a cleaner, environmentally friendly facility, and Wrobel received an additional certificate of recognition from Ruppersberger.

> The Baltimore District Spirit Award is given for major environmental contributions, Fiala noted. "It's a tough award to earn."

> After the unique chain-cutting ceremony, led by Doesburg, Fiala, Wrobel and Murphy, Wrobel led guests on a tour of the plant, and then commented on the historic accomplishment.

> "It was a very unique project; one that's rarely done," Wroble said, noting that design and construction is usually

From left, Corinne Murphy, Weston Solutions; John Wroble, DSHE; Maj. Gen. John C. Doesburg, commander of

Creek Groundwater Treatment Plant on the Edgewood Area of APG. done by different contractors.

He said that while the design-build approach required, "a lot of intense, onthe-spot management," it got the job done quicker and more efficiently.

"[The facility] consumes less energy, and reduces the energy needed to operate,' Wroble said.

Murphy added that she was particularly proud of the time needed to complete the pro-

"It was a great accomplishment because it incorporated so many different agencies and still, we were able to [finish] ahead of schedule," Murphy

more months."

Aberdeen Proving Ground and the U.S. Army Soldier and Biological Chemical Command, and Col. Charles J.

Fiala Jr., commander Army Corps of Engineers Baltimore District, cut the chain to formally open the Canal

Features in and around the facility that earned the Spirit Award include the permeable design on the parking lot, which consists of cement grids beneath which grass seeds are planted.

The grids allow rainwater to soak into the ground instead of creating runoff. The grass will eventually grow over the grids and be cut with a lawnmower like regular grass.

"What's also unusual is that the building was built in 1941," said Peter Ciotoli, Weston program manager. "Because of the structural

said. "It could have taken nine integrity of the original building, we were able to actually build the [facility] inside the original building."

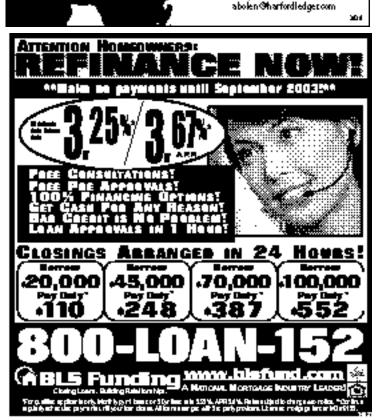
> "The addition of the permeable parking lot is what earned the Spirit Awards," added Todd Walles, Weston project direc-

> He said the concept, which lowers energy costs as well, is being emphasized in new construction projects, nationally.

"It was a good, environmentally responsible idea that was accepted and worked to everyone's advantage," Walles

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APG hosts 26th Infantry Division reunion Story and photo by

Yvonne Johnson

Nearly 200 members and family members of the famed 26th Infantry Division (Blue Spaders) Association enjoyed the hospitality of Aberdeen Proving Ground during their annual reunion held June 10 to 14.

Led by retired Maj. Gen. George Joulwan, honorary colonel



From left, retired Gen. Paul F. Gorman, former commander of the U.S. Army Southern Command, and his wife Ruth, enjoy a chat with Col. Mardi U. Mark, APG Garrison and deputy installation commander, and retired Col. Rudolph H. Egersdorfer, past honorary colonel of the 26th Infantry Division Association in the U.S. Army Ordnance Museum during the association's reunion at APG, June 13.

of the regiment, and former Supreme Allied Commander, the group enjoyed a tour of the installation that concluded with a tour and luncheon in the U.S. Army Ordnance Museum.

Joulwan said the association, which meets annually in different locations, appreciated the APG hospitality.

"We've been very well received here at APG," Joulwan said. "You couldn't ask for a better location or a warmer reception."

He noted that the division, which was "very involved in winning the cold war," included two four star generals among its members.

Retired Gen. Paul F. Gorman, former commander of the U.S. Army Southern Command, served with the division in 1966 as a battalion commander in Vietnam. Accompanied by his wife, Ruth, he said the annual reunions draw former soldiers as well as family members.

"We like to get back with those who experienced the war together. You get to hear World War II stories with the same depth of understanding as Vietnam," Gorman said.

"Even among the non-combat members, we share a lot of common ground and good feelings. Once a Blue Spader, always a Blue Spader," he added.

The group's oldest member, retired Maj. Gen. Frank J. Murdoch, at age 92, attended the reunion with his wife, Penny.

See REUNION, page 7

Chapel

From front page

project is the demolition process we are involved in now," Simmons said. "We are removing and installing the heating pipes that run under the concrete flooring," he added.

To perform this work, the crews have had to dig up the flooring along the walls in the sanctuary and in the foyer, up to 3-feet down. Workers utilize all the necessary safety precautions including the use of ducts, which filter dust out of the building.

"Once the demolition process is over, the mechanical and construction crews will

"This project is off to a good start thanks to Spc. James Hyde from the Aberdeen chapel who helped remove all the furniture and other materials after Sunday service so the contractor could begin work on Monday."

He added that the large project is a top priority for DIO and the installation.

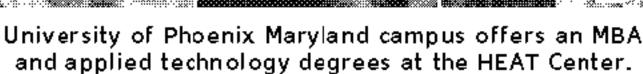
"It's a very high priority for DIO and the command staff," Simmons said. "We realize the importance of providing a place of worship for the soldiers and citizens of this area."

For the duration of the renovation, Sunday services will be held in the EA Conference Center across the street from the chapel.

For information about the location of specific classes or services, call 410-436-4107.



Joe Hamilton, a heating and cooling subcontractor with the Lock Spring Company, removes existing piping in the Edgewood Area Chapel's equipment room in preparation for the installation of new pipes, as part of the building's ongoing renovation process.



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Story and photo by **Maia Kaiser**

A growing dependence on foreign oil and a pattern of environmental degradation have led the government, industry, small businesses and consumers to look for new transportation options. Hybrid vehicles, one option, have two major advantages over traditional vehicles. They are fuel-efficient and have extremely low emission rates.

A hybrid vehicle combines two or more sources of power. Currently, three hybrid models are available in the United States, with several more, including a sport utility vehicle and pickup truck, poised to enter the market in the next two years. Hybrids combine combustion and electric engines and can easily compete with traditional vehicles in performance, appearance, cost and customer satisfaction.

Hybrids average at least 50 miles per gallon of gasoline by switching between their electric and combustion engines, depending on driving conditions. For example, when the combustion engine is not needed for power at a red light, it shuts off and power is drawn from the bat-

engine often works simultaneously with the combustion engine, further cutting down gas consumption.

Hybrid vehicles emit significantly fewer pollutants than traditional vehicles, which release high levels of nitrogen oxides, volatile organic compounds and particulate matter into the air. These emissions contribute to ground level ozone and global warming. A well-designed hybrid can reduce smog pollution by 90 percent or more compared with the rates for the cleanest conventional vehicles on the

Roger Parks, a Directorate of Installation Operations employee, purchased a hybrid last year for personal use and has since logged 25,000 miles.

Parks said, "It was the draw of the new technology and the environmental benefits that first prompted me to investigate hybrids." When asked if his new hybrid vehicle

meets all of his driving needs, Parks said, "I've been completely satisfied with my decision to buy a hybrid."

Unlike an electric car, a hybrid does not need to be plugged in to recharge its battery. Instead, regenerative breaking

tery, thereby conserving fuel. The electric recovers energy and stores it in the battery, unlike the traditional car in which breaking dissipates the energy as heat.

> Although hybrids cost a few thousand dollars more than comparable traditional vehicles, the cost can be offset by reduced gas consumption and federal and state tax incentives. The maximum federal deduction per hybrid vehicle in 2003 is \$2,000. Each year through 2006 the maximum deduction will be reduced by \$500. The Maryland Clean Energy Incentive Act offers an excise tax exemption of up to \$1,500 for qualifying hybrid electric vehicles. The state incentive will be available only through July 1, 2004.

> Hybrid vehicle sales are expected to increase steadily over the next two years, with every major manufacturer having a hybrid model scheduled for release by 2005. As more model options become available and gas prices increase, the hybrid vehicle will become more attractive. This and the high customer satisfaction rate indicate that hybrids are here to

> (Editor's note: Maia Kaiser, a contract employee with Ecco Verde, Inc., works for the Directorate of Safety, Health and Environment.)

> > the day.

Dr. William F. Atwater, the

"We also supported the

He added that the museum

"We welcome them to join

"Besides," he added, "it's

benefits from the attention of

and help build our foundation,"

Atwater said. "Their interest

may translate to motivate sup-

the right thing to do. There are

a bunch of heroes among them

and they deserve all we can do

The 26th Infantry Division

For more information, visit

Association's next reunion

takes place in Kissimmee, Fla.

the association's Web site at

http://www.bluespader.org/inde

port of the Ordnance Corps.

museum's director led the tour,

which was the second one of

52nd Armored Division

Association reunion this morn-

ing," Atwater said.

veterans groups.

for them."

Roger Parks was one of the first to purchase a hybrid for personal use at Aberdeen Proving Ground. Here he stands with his gasolineelectric hybrid automobile which looks just like a normal car.

Mirst Waptist Church of Aberdeen

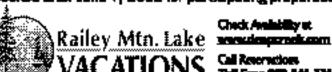
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Search for scholarships online

All personnel in the military community, including dependents, are encouraged to visit MilitaryReport.com's Education Center scholarship database, which has a listing of \$300 million in scholarship funds.

In addition to the scholarship search available, the educational services provide updated information on educational benefits, such as the G.I. Bill, Veterans Educational Assistance Program and Survivors' and Dependents' Educational Assistance Program.

http://www.mili-Visit tary.com/Careers/Education/ 1,13289,,00.html?ESRC=mr.nl.

From front page

force to attend functions in

support of women (both in the

(3) Acts as a mentor to pro-

vide positive guidance to one

or more female employees,

either within or outside the

organization are represented

(i.e. on boards, committees,

panels, special assignments,

and

All organizations at APG

Leaders ensure that

are eligible to apply. Nominees

must provide specific exam-

management complies with

the spirit and intent of the

Nominates women for

honorary

(4) Assures women in the

public and private sector).

organization.

(5)

awards.

Goals

monetary

Activity Most

Supportive of FWP

Reunion

From page 6

Murdoch, who served in the division as a battalion commander from 1943 to 1948, participated in the D-Day Invasion at Normandy. He said his favorite movie about the war was "Saving Private Ryan."

"It gives the most accurate depiction," Murdoch said. "It shows how things really happened."

Penny Murdoch added that family members get as much out of the gatherings as the former soldiers.

"We attend every reunion together," she said. "It's emo-

nation (submit copy). (2) Goals and objectives of the FWP are supported to

(a) High-potential women are provided executive developmental assignments (including details to acting chief positions) or high visibility projects to help them become optimally equipped for future opportunities as federal super-

(b) Women are nominated for long-term training.

(c) Women are provided

(d) Women in the organization are represented in midlevel and/or senior positions (if these grade levels are applica-

(3) Organizations may exhibit a display featuring the active roles and accomplishments of women within the

FWP. This includes the issuance of a strong policy statement that prohibits sexual harassment and sex discrimi-

enhance the program, such as:

visors and managers.

guidance for career develop-

ble to the organization).

stories all day and never get

organization Nominations can be submitted by any organization or any member of the military or civilian work force. There is no limit to the number of nominations that may be submitted within each award category. If multiple nominations for an individual or activity are received, all nominations will be scored and the nomination with the highest score will be

tionally uplifting to witness the

reuniting of men who shared

to Baltimore's Inner Harbor

and Fort McHenry, and con-

cluded with a banquet at the

Four Points Sheraton, June 14,

added Egersdorfer. He credited

Joulwan with coordinating the

ting the foundations for today,"

Garrison and deputy installa-

tion commander, visited with

the group to express her appre-

ciation for their meeting at

among these members," Mark

said. "I could listen to their

"There's a lot of history

"He did a great job of set-

Col. Mardi U. Mark, APG

The reunion included a visit

so much together."

successful event.

Egersdorfer said.

Submit nominations to Director, U.S. Army Research Laboratory, ATTN: AMSRL-WM-BD/Sheryl Coleman, building 4600, APG, MD or fax to 410-306-1909, no later than July 15.

An independent panel will evaluate the qualifications of each nominee against the award criteria.

Winners will be announced at the APG FWP Women's Equality Day Awards Program on Aug. 14, 10 a.m., at the Edgewood Area Conference Center.

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From front page

to modify power poles in eagle areas to protect the birds. Since November 2001, the installation has noted the loss of 17 eagles. Some of the birds died from electrocution in areas where the power poles had not yet been modified, but most have been killed flying into power lines.

"We're very proud of our eagle management program here," Pottie said, "especially in view of the sheer growth in numbers. So when we identified an increase in fatalities, everyone here became greatly concerned."

APG has been conducting an internal investigation into the potential causes and has been informally working on the problem with the U.S. Fish and Wildlife service. The parties are now formalizing that consultation. In addition, the proving ground has instituted a number of other actions to help protect the birds.

With increased funding provided by the Department of the Army, the installation has accelerated the modification of its power poles and has begun installing spheres on power lines in areas of eagle activity to make them more visible to the birds.

"We have had an Eagle Management Plan in place since 1981," Pottie said. "We maintain a 500-meter buffer zone around every nest during the nesting season. Most human activity in those zones is restricted between December and June. That's a long-established post policy. The success of that policy over the years is evident by the increase in the number of eagles located here — from 39 in 1983 to 250 twenty years U.S. Fish and Wildlife Service on this."

later. We also limit human activity around roost-

"In April, the post and range commander decided to minimize all shoreline activity while the investigation continues," Pottie said, noting that when the eagle nesting season ended this month, that suspension was partially lifted.

"We will be conducting real-time, on-the-site monitoring of eagles during any scheduled activity in these areas."

Addressing the concern that the mission activity or natural causes, such as West Nile Virus could be a factor, Pottie said that, "At this time, there is not enough information to say what's causing the increase in eagle deaths.

"But we don't want to take any chances. We're determined to find the cause and take whatever steps are necessary to resolve the

"It is worth noting that the first eagle nest recorded at APG in 1978, is located near a vehicle test range area," he added.

That range is still supporting testing for Army vehicles and the nest site and other successful nests established nearby continue to be

"We believe history shows that eagles can thrive along side essential military testing and training. Our job now is to make sure we're doing everything we can to ensure the well being of these magnificent birds. That's why we are undertaking a comprehensive, broad-based investigation into all the possible factors that could be having an impact on the eagles," Pottie said. "We're pleased to be working with the

Morale, Recreation & Welfare

APG Bowling Center news

of the summer league's forming, contact the Bowling Center at 410-278-4041.

Wednesday Fun Bunch, two per team, starts July 16, 6:30 p.m. for seven weeks

Thursday doubles league starts July 17, 6:30 p.m. for seven weeks

Friday Adult/Youth league starts July 18, 6:30 p.m. for seven weeks, \$5 per person per week

Wednesday lunch league starts July 16, 11:30 a.m., \$10 per person each week, lunch included, bowl two games

Mystery Bowl II

continues

The Bowling Center is **Company promotion** offering specials throughout

If interested in joining any TERY BOWL II. For each through the end of August. game bowled or purchase from the snack bar, receive an entry form for Mystery Bowl.

> There will be a weekly drawing each Monday for the nine weeks. The winners of the nine weeks will be put in a drawing to have a chance to win a resort vacation package.

There are giveaways, instant winner prizes, and double/triple coupon days.

The bowling center is having a drawing for all non-winners at the end of July for a pizza party for eight people that includes pizza, drinks and two hours of bowling.

Miller Brewing

Miller Brewing Company is the summer, such as MYS- having a promotion from June them.)

Participants must be 21 or older. Purchase any Miller product to receive a scratch off ticket. If a Miller logo(s) is on the scratch off, redeem it for through prizes Miller Company and have a chance to win a "Harley Davidson" motorcycle. Prizes are from Harley Davidson or commemorative cans from Miller. The more the facility is used the more chances of winning.

Red Pin bowling Red Pin bowling will be

held Monday and Tuesday, 1 to 3 p.m. and Wednesday through Friday 1 p.m. to clos-

Bring out the little ones to have some fun with bumper bowling. (No gutter balls for



Forget teacher's pet

Steve Maggitti, left, lunges at fencing instructor Rudi Waldschuetz during a Morale, Welfare and Recreationsponsored fencing class in the Aberdeen Area Recreation Center.

MWR fencing class attracts all kinds Next class set for September

Story and photo by Yvonne Johnson

The art of fencing has pierced the hearts of several people enrolled in the weekly Morale, Welfare and Recreation-sponsored class held in the Aberdeen Area Recreation Center ballroom,

Tuesday evenings. Led by Rudi Waldschuetz, a fencing instructor with 14 years in competition and instruction to his credit, the class offers beginner and intermediate level lessons, taught in four-week ses-

Waldschuetz said that physical and mental exercise is the sport's main value.

"Fencing is referred to as physical chess," Waldschuetz said. "You have to use your mind as much as your body. A person can be physically superior yet lose to someone who can outfox him.'

Fencing is the art of attack and defense with a sword or similar weapon that dates back to the 16th century.

Modern fencing is a recreational and competitive sport, with rules and techniques that go back to those originally designed for dueling with swords, Waldschuetz said.

Although the sabers used in fencing are not sharp edged weapons, they can still cause injury if used improperly, he added.

"stickler for safety," at the start of each new class, Waldschuetz gives stern safety brief-

"My number one rule is to always wear your mask," he said. Other rules refer to proper lunge techniques - the basic finishing action - and include the proper use of the hands when executing the attack.

"Finger use is perfect. The wrist is acceptable, using the elbow is not, and you never attack with the shoulder," Waldschuetz said.

"The sport attracts people for different reason," he added. "You can take from it almost anything. Get a grounding in the basics, experiment, and find out what works for you."

Classes include lunging and footwork drills designed by Waldschuetz in which participants usually work up a sweat. "The best part is the exercise, but it's also a

challenge," said Tracy Merchel, a computer design technician with the U.S. Army Center for Health Promotion and Preventive Medicine.

A graduate of the beginners' course about to complete the intermediate program, Merchel said she also participates in Waldschuetz's classes held at Goucher College.

"I collect swords so I figured I should learn something about them," she added.

Steve Maggitti, a computer support specialist with the U.S. Army Developmental Test Command, said he got interested in fencing several years ago, and recently got involved for the mental and physical aspects.

"It's also a lot of fun," Maggitti said

"I find a lot of people who don't think of themselves as liking to play with sharp pointy things having a powerful interest in fencing,' Waldschuetz said. "Taken in the proper spirit, fencing can be so much fun."

For more information about future fencing classes, call MWR's Charles Heinsohn at 410-278-3868 e-mail or charles.heinsohn@usag.apg.army.mil.

onestar concert set for Sept. 12

Aberdeen Proving Ground Morale, Welfare and Recreation is hosting country western band Lonestar, with special guest Trace Adkins at this year's summer concert on Sept. 12.

Tickets are \$20 per person in advance, and \$25 at the gate.

Tickets can be purchased from the Hoyle Fitness Center, MWR Registration in building 3326, Ticketmaster, or at the MWR Web site www.apg.mwr.com.

For more information, call Gwen Meadows, MWR marketing director, 410-278-4497.

Volunteers needed for country concert

Morale, Welfare and Recreation needs vol-

unteers for the APG Miller Lite Army Concert Tour, Sept. 12, at Shine Sports Field.

Jobs include gate workers, ticket sellers, concession workers, sponsorship assistants, warehouse workers and photographers. Licensed bus drivers and parking attendants are also needed.

Volunteers must be 18 or older and available to work from 4 p.m. to midnight. Staff Tshirts and training will be provided.

For more information about volunteering, contact Ruth Overbay, 410-278-9536, or email ruth.overbay@usag.apg.army.mil. For general information, call 410-278-4907/4011, TTY 410-278-4110.

Mystery Bowl winners

Week 4

1st - Staff Sgt. Casey Scott, Barbeque Set 2nd - Joseph Burks 3rd - Sharon Gibbons

Week 5

1st - Mary Adamson, Bowling Bag 2nd - Chris Tarsi

3rd - Kevin Kallaher

Framing class

This beginning class teaches the fundamentals of framing and matting. Students must bring an 8-inch by 10-inch pic ture to frame.

Classes will be held July 31, Aug. 28 and Sept. 25, 5 to 9 .m. in the Edgewood Arts and Crafts building E-4440.

Classes will be held July 12, Aug. 2 and Sept. 6, 9 a.m. to p.m. in the Aberdeen Area Arts and Crafts building 2407. \$25 plus supplies

For more information, contact Holly Shisler at 410-436-2153 or e-mail her at holly.shisler@usag.apg.army.mil, or Debbie Brooks-Harris at 410-278-4207 or e-mail deb-

ie.brooks-harris@usag.apg.army.mil. To register, call or visit during hours of operation, or online at www.apgmwr.com.

Library Book Corner

Operating hours of the Aberdeen Area Library, building 3320, are Saturday and Sunday, 1 to 5 p.m., and Monday, Wednesday and Thursday, 11:30 a.m. to 6:30 p.m. The Edgewood Area library is open Tuesday, 11:30 a.m. to 6:30 p.m. For information, call 410-436-3589.

The following is a list of some of the new books at the APG MWR libraries:



A Day in the Life of the United States Armed Forces created by Matthew Naythons and Lewis J. Korman

On October 22, 2002, 125 of the world's leading photojournalists recorded the activities of the U.S. armed forces. The photos

range from the deck of the USS Constellation to Camp Virginia in Kuwait to the Hale Koa Hotel in Honolulu to the maternity ward at the Yokosuka Naval Base in Japan.



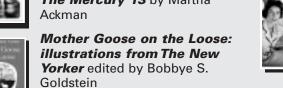
Rogue Nation: American unilateralism and the failure of good intentions by Clyde Prestowitz

American Soldiers: ground combat in the World Wars, Korea, and Vietnam by Peter S. Kindsvatter



Blood Evidence: how DNA is revolutionizing the way we solve crimes by Henry C. Lee

The Mercury 13 by Martha









Pallmeyer

Spirit: the 20,000-year history of the American Indians by Jake Page

Is religion killing us? Violence in the Bible and the Quran by Jack Nelson-

The library's online catalog can be accessed at www.apgmwr.com/recreation/libraries.html.

The library's online catalog can be accessed at www.apgmwr.com/recreation/libraries.html

Methods of registration Registering for any MWR event can be accomplished by visiting the specific facility for the event, mailing in a registration form found in an MWR Program Brochure, visiting the MWR Registration, building 3326, or online

Intermediate short game

www.apgmwr.com.

This one-hour group lesson at Ruggles Golf Course expands on Introduction to the Short Game. Learn how to improve the short game in different situations. Choose from July 17, 5 to 6 p.m. or July 19, 1 to 2 p.m. Cost is \$15. Register by July 11. For more information, call Stacie Umbarger at 410-278-3931 or e-mail stacie.umbarger@usag.apg.army.mil.

Liberty Cruise and New York City highlights tour

Take a trip and enjoy the world's premier skyline on a Circle Line Cruise. The trip includes a one-hour cruise, shopping time in midtown New York, land tour to Battery Park, Ground Zero Memorial, South Street Market, The Village, Times Square and more.

Trip is scheduled for July 19, 7:45 a.m. to 10 p.m. Cost is \$78. Register by July 11. For more information, call Earlene Allen at 410-287-3854 or e-mail earlene.allen@usag.apg.army.mil.

Ocean City trip

What's better than a day at the beach? The trip, set for July 26, costs \$32. Register by July 18. Bus will pick up from Ames Shopping Center in Edgewood at 7:15 a.m. and drop off at 9 p.m. Aberdeen pick up will be at Ollies Shopping Center at 7 a.m. and drop off at 9:30 p.m. For more information, call Earlene Allen at 410-278-3854 or e-mail her at earlene. allen@usag.apg.army.mil.

'Salute to Kids' with good grades

Kindergarten through grade 12 with two or more A's on their final report cards will receive one free game of bowling at the APG Bowling Center, Monday and Tuesday, 1 to 3 p.m., or Wednesday through Friday, 1 to 5 p.m.; and one free game of miniature golf at the Chesapeake Challenge Amusement Park, Monday through Friday, 5 to 9 p.m.

Activities

For more information, call Dave Brewner at 410-278-4041 or e-mail him at dave.brewner@usag.apg.army.mil or call Wayne Doyel at 410-278-4124 or e-mail him at wayne.doyel@usag.apg.army.mil.

Summer Swap Golf Tournament

The Captain's Choice Scramble will be held July 19 at Exton Golf Course, with a 5:30 p.m. tee off.

The first nine holes are played just before sunset, a full picnic style dinner will be served, and then the last nine holes will be played in total darkness.

Night golf equipment is provided. Sign up individually or as a team. Register by July 17 at MWR Registration, Exton Golf Course, or Ruggles Golf

rized, \$55 all others. For more information, call Stacie Umbarger at 410-278-3931 or e-mail her

Cost is \$35 for patrons, \$45 for autho-

at stacie.umbarger@usag.apg.army.mil. **Batting clinic**

Course.

A clinic conducted by the Baltimore Orioles coaching staff will be held July 19, 10 a.m. to noon, at Chesapeake Challenge Amusement Park.

Learn the ins and outs of hitting, find out what it takes to be a big league performer, and get the inside information on

how to acquire the skills to improve batting.

Cost is \$15. For more information, call Charles Now thru July 17, students in Heinsohn at 410-278-3868 or e-mail him at charles.heinsohn@usag.apg.army.mil.

Primary aerobic certification

To become a primary aerobic certified instructor, attend class July 26 at the AA

Fitness Center, 9 a.m. to 5 p.m.

The class will teach the aerobic class structure and design, anatomy and physiology, injury prevention and identification, emergency procedures and more.

Certification will allow participants to teach their own aerobic fitness classes. Register by July 11. Cost is \$99

For more information, call Stacie Umbarger at 410-278-3931 or e-mail her at stacie.umbarger@usag.apg.army.mil.

Body building class

Fundamentals of body building will be held Wednesdays, Aug. 6 through 27, 6:30 to 7:30 p.m. at the APG Athletic Center, building 3300.

Instruction will iclude hands-on training designed to teach the fundamentals of body building. Precise exercises and workout procedures essential for achieving desired results will be covered, including diet and nutritional needs. Techniques proven to increase the effectiveness of overall prescription and assessment will be discussed. Participants will learn how to design their own program. Proper gym attire is required.

The class fee is \$30 or free to Corporate Pass Members.

Register by July 30 at MWR Registration, building 3326; call 410-278-4907, or online at www.apgmwr.com.

For more information, contact Charles Heinsohn at 410-278-3868 charles.heinsohn@usag.apg.army.mil.



Photo by AMY SWEET

APGFCU celebrates Aberdeen branch's 20 years

Aberdeen Proving Ground Federal Credit Union President and CEO Don Lewis greets APG Garrison Command Sgt. Maj. Elvis Irby during the 20th anniversary celebration of the Aberdeen Branch June 26. Also pictured from left Charles Alston Sr. APGFCU Board of Directors and Clarence Fry, APGFCU volunteer. The highlight of the day was the recognition of five original employees that opened the Aberdeen branch 20 years ago and continue their careers at the credit union today. Everyone cheered the honored employees as they took a "ride down memory lane" along the newly renovated drive-up teller and ATM lane.

Commentary: 'Band of Brothers' DVD revealed

Capt. Eric Shuler Special contributor

Tom Hanks and Stephen Spielburg collaborated to create this mini-series. After "Saving Private Ryan," they both wanted to do another World War II story. Hanks and Spielburg chose the book, "Band of Brothers" by Stephen Ambrose as the story.

This true story starts with a group of civilians who become paratroopers in Easy Company of the 506th Parachute Infantry Regiment, which was part of the 101st Airborne Division. Easy Company participated in many of the important battles during World War II, including D-Day, Operation Market Garden, and the Battle of the Bulge.

The series is in chronological order and each episode has a main theme to it. For example one of the episode themes is about leadership and what makes a good or bad leader. That episode shows the effect a leader has on his unit. Hanks and Spielburg start each episode with World War II veterans commenting on the subject and the theme of the episode.

Do not expect non-stop action or a romance story like the movie "Pearl Harbor." "Band of Brothers" is the story of brave paratroopers fighting against incredible odds.

The German soldiers are portrayed as seasoned veterans who are quite good at fighting and killing American soldiers. There are many gory scenes, one where a soldier is blown apart by artillery

fire, and another shows soldiers made into mincemeat by German machine guns. These scenes are quite realistic. The only

a cost of \$120 million dollars. Seventeen million dollars was spent on set construction alone. To cover the sound stage in artificial snow took three weeks. The dressing of the set is done so well

that it appears the mini-series was filmed out doors and not on a

sound stage. When you watch "Band of Brothers," the impression is that a combat cameraman shot the film while in combat during World War II. Low camera angles, period equipment and clothing, and desaturation of the color in the film creates the illusion.

"basic training" wearing World War II uniforms and carrying period weapons. Some of the veterans were on hand to answer questions for the actors on what war was really like.

The actors went through

There are no superstars in the movie, just some talented and hard working actors doing the fighting and dying.

The DVD set comes with six DVDs; the first five DVDs are the series and the sixth DVD is a documentary on how the movie was made.

"Band of Brothers" will make an excellent addition to any video

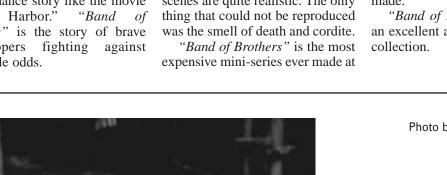


Photo by GEORGE MARTIN



To commemorate Flag Day, members of APG Lodge 116F, Fraternal Order of Police, APG, placed American flags on the graves of 28 servicemen and five DoD civilians buried in the Post Cemetery on Sidney Park Road, June 13. George Martin, president of FOP Lodge 116F, said that last year on Memorial Day, scouts placed flags on the graves of servicemen at the Edgewood Cemetery.

"For years this small, soggy graveyard went neglected and forgotten on our national veterans holidays. This year, with the help of veterans in the APG FOP we tried to pay our humble respects to these brave men from wars gone by," Martin said.







U.S. Forces Korea to start major realignment next year



DoD photo by R. D. WARD

Minister of National Defense Cho Yong-kil (right), of the Republic of Korea, meets at the Pentagon June 27, with Secretary of Defense Donald H. Rumsfeld (left foreground). Under discussion is a broad range of bilateral security issues. Also participating in the meeting, on the Korean side of the table, are (left to right): Rear Adm. Jung Byung-chil, director of Strategic Planning; Maj. Gen. Kim Seon-kyu, director general of the Policy Planning Bureau, and His Excellency Han Sung-chu, ambassador to the United States.

Spc. Bill Putnam

The Army will be moving from bases located near the Demilitarized Zone and the South Korean capital to "hubs" further south, and that massive shift could start as early as next year, according to a joint document released by the South Korean and U.S. governments, June 5.

The move is a sweeping change of policy, according to some

reports in the media last week. They say it's a change from the to camps Red Cloud and Casey. current policy which has used the 14,000 soldiers of the 2nd Infantry Division and 7,000 soldiers stationed at Yongson Army Garrison in Seoul as a de-facto trip wire to guarantee U.S. involvement to help defend South Korea from a potential invasion from the north for the last 50 years.

"This is a time to move beyond outmoded concepts or catch phrases such as the term 'tripwire,'" said Paul Wolfowitz, the deputy U.S. defense secretary, in Seoul, June 2.

Although no time line for the move has been established, said Lt. Col. Steve Boylan, U.S. Eighth Army public affairs officer in an e-mail interview, the move south and opening of newer facilities will take years and doesn't mean the alliance between South Korea and America is flagging.

"We are committed to the alliance and will not weaken that alliance by these plans," Boylan said.

He went on to say that there will be no immediate affect to the soldiers currently stationed in Korea or those that are being assigned to 8th Army units in the near future.

North and South Korea signed a ceasefire in July 1953, but they are still technically at war. Most of North Korea's 1.1-million man army and South Korea's 650,000-man army are located near the 2.5- mile-wide DMZ that separates the two countries.

The 2nd Infantry Division at 15 bases north of South Korea's Han River and just south of the DMZ will be the major unit moved south of the Han River in two phases that will take place over the next few years, the statement said.

About 6,000 of the 7,000 soldiers stationed at the U.S. Forces, Korea Headquarters at Yongsan Army Garrison, and located in downtown Seoul, Korea, will also move south, the statement

The first phase of the move will probably start as early as this year when the 2nd Infantry Division moves from those 15 bases

After the South Korean government procures land south of the Han River next year, the Division and the Yongson Garrison will move to major "hubs" south of the river that also bisects Seoul, the statement said. The land now used by the Army will be handed over to the South Koreans at that point.

The United States has also offered to pay about \$220 million for the new facilities, said Boylan.

Moving those forces south wasn't the only thing discussed by the two governments. The U.S. government is also planning "a substantial" investment of \$11 billion over the next four years on 150 projects to upgrade the combined defenses of South Korea, the statement said.

That money will go toward upgrading the Army's Patriot missile battalion on the peninsula to the newer PAC-3 capability, fielding of unmanned aerial vehicles and the upgrading of the 3rd Squadron, 6th Cavalry Brigade to fly the Army's most advanced Apache helicopter, the AH-64D Apache Longbow,

South Korean officials also said it would upgrade it's "military capabilities to strengthen the Alliance" and that the two countries would proceed with an "implementation plan for the transfer of certain missions."

Some South Korean officials initially resisted the move earlier this year saying it would give North Korea the impression of the U.S. pulling out of the peninsula. They agreed to the move after guarantees that the U.S. will still maintain a presence north of the Han through training at the Korea Training Center, located near Camp Casey.

The two governments worked out the details of the plan in two meetings held April 8 and 9 and during a visit to South Korea by Deputy Defense Secretary Paul Wolfowitz. They agreed to a third round of talks in July 2003.

When the active duty sponsor deploys from CONUS

This information applies to CONUS-based active duty family members (not activated Reserve Component family members) who temporarily relocate while the sponsor is deployed.

Normally, ADFMs are enrolled in either TRICARE Prime or TRICARE Prime Remote. If the sponsor is deployed, the family may (1) remain in the current location awaiting return of the deployed sponsor, (2) leave the local area for a short period (normally less than 30 days) and return to the local area, or (3) leave the local area for a longer period (normally greater than 30 days).

Here are some important points to consider:

• In many situations, the family chooses to remain in the same home, particularly if the spouse is employed in the local area, or the children are enrolled in school. In this case, nothing will change. If the family resides in an area where Prime is available, they can continue their enrollment in Prime. If the family continues to reside in a remote area at the same address as their TPR-eligible sponsor prior to his/her deployment, the family can continue enrollment in TPR for ADFMs (TPRADFMs).

ily while the sponsor is deployed. If the family is away from the local area for a short time (normally less than 30 days), they should leave their TPR or Prime enrollment intact. Any routine or urgent care required by the family members requires a call to their health care finder or primary care manager at the home location to request preauthorization for that care. No preautho-

rization is required for emergency care, although the PCM at the home location should be notified of any emergency care as soon as reasonably possible. Members experiencing difficulty in contacting their PCM should call 1-888 DOD Care (1-888-363-

• If a family is going to leave the local area for an extended period (normally more than 30 days), they have two options. If they are moving to a location where Prime is available, they can execute a portability transfer of their Prime enrollment to a PCM at the new location. If they are moving to an area where Prime is not available, they should disenroll from TPRADFM or Prime and use TRICARE Standard/Extra. Before leaving, family members are encouraged to visit or call the HCF at the closest TRI-CARE Service Center or the Beneficiary Counseling and Assistance Coordinators at the closest military treatment facility to seek advice and information about how to access care at the temporary location.

• Those family members who choose to go to a location far from a military installation may find that Standard/Extra is more • Many families choose to return home to visit friends or fam- responsive to their needs. Although they will be subject to deductibles and cost shares associated with Standard/Extra, these ADFMS may find the convenience of using a local provider makes the small deductibles and cost shares the best way to get health care. Once the family returns to the home station, they are technically subject to lockout from Prime for 1

Standard or Extra. Family members concerned about the possibility of lockout should contact their servicing TSC to discuss local policies about this provision. It is important to remember that TPRADFM is not an option for the military family that did not reside with a TPR-eligible sponsor prior to deployment. If the family chooses to go to a remote area while the sponsor is deployed, they should plan to use Standard/Extra.

Dental care is a separate concern with unique issues to consider. If the active duty family is already enrolled in the TRI-CARE Dental Program, they may continue their enrollment and start using dentists in the new location. For more information, visit http://www.ucci.com/was/ucciweb/tdp/tdp.jsp, or call 1-888-

Prior to deployment, the sponsor should discuss proposed health care alternatives with the family. The personnel at the TSC can help with any questions and facilitate either transfer or disenrollment if that is the member's choice.

If either the sponsor or a family member has a problem or a question, it is very important to quickly seek assistance. One source of help is the BCAC located at each MTF. Another useful TRICARE Help source is the TRICARE_Help@amedd.army.mil.

(Editor's note: Source of material is TRICARE HELP E-MAIL SERVICE (THEMS), Fort Sam Houston, Texas, TRICARE_Help@amedd.army.mil.)

Military study shows safety of smallpox vaccination program

Assistant Secretary of Defense for Health Affairs announced June 25 that research the Department of Defense conducted over a six-month period suggests that a large-scale vaccination program can be carried out safely with few serious adverse events.

"Data from our research are vitally important to the preparedness of the nation," said Dr. William Winkenwerder Jr. The ability of the military to conduct this vaccination program

safely demonstrates the capability to protect the public at large from the specter of smallpox as a weapon of terrorism, he said. John D. Grabenstein, R.Ph., Ph.D., of the Military Vaccine

Agency, U.S. Army Medical Command, Falls Church, Va., and Winkenwerder analyzed data from the U.S. military smallpox vaccination program from its inception on Dec. 13, 2002, through May 28, 2003.

Grabenstein and Winkenwerder looked at the number of vaccinations, rates of vaccination exemptions, symptoms and adverse events. Data were collected via reports to medical facilities on multiple continents and ships at sea. In 5 1/2 months, DoD administered 450,293 smallpox vaccinations. Most adverse events occurred at rates below historical rates. In two settings, .5 percent and 3 percent of vaccine recipients needed short-term sick leave.

The military vaccination program ensures military preparedness against use of smallpox as a biological weapon, and ensures that troops can continue their missions. Resumption of smallpox vaccinations nevertheless has raised important questions regarding implementation and safety.

More information on the study can be found in the June 25 issueof the Journal of the American Medical Association or at Web site http://dod.mil/releases/2003/nr20030626-0131.html.

year. During this time, they would continue to use either

Warfare testing results available

On June 30, 2003 the Department of Defense announced the completion of its nearly three-year investigation of the operational biological and chemical warfare testing done from 1962 to 1973 by the Deseret Test Center under Project 112.

Details are available online at

http://www.deploymentlink.osd.mil/current_issue s/shad/shad_intro.shtml.

Project 112 was a joint program initiated in 1962 out of concern for DoD's ability to protect and defend against these potential threats. The Deseret Test Center planned 134 tests, conducted 50 tests

The 10 new fact sheets, along with the 46 fact sheets previously released, present information on every chemical and biological test done by the Deseret Test Center under

Project 112. [One aspect of Project 112 was known Shipboard Hazard and Defense, or SHAD. SHAD was comprised tests designed to identify U.S. warships' vul-

such attacks while maintain-

ing a war-fighting capability. article

http://www.deploymentlink.osd .mil/news/jan02/news_10402_0 **01.shtml** supplies more details

of the tests.] DoD This effort was undertaken at request of the Department Veterans Affairs to respond to the claims of some veterans that tests conducted in the 1960s and early 1970s may have affected their

The fact sheets cover tests perd.mil/du_library formed both at sea and on land. The

names of 5,842 military personnel who were present during one or more of these tests.

Details from all 56 fact

health.

sheets have been compiled into a chart at

http://www.deploymentlink.osd.mil/current issue s/shad/shad_chart/shad_chart_ 8.shtml to make it easier for veterans to find information that may apply to their ser-

Veterans who believe they were involved in Deseret Test Center tests and desire medical evaluations should call the VA's Helpline at 1-800-749-8387. Veterans who have DoD-related questions or who are DoD beneficiaries and have medical concerns or questions should call the Deployment Health Support Directorate's contact center at 1-800-497-6261.

(Editor's note: Source information was extracted from DeploymentLink Web site at http://www.deploymentlink.o sd.mil/.)



Ceremony

From front page

"This academy has given us a sturdy structure and now it's up to us to build a solid foundation," Wardrope said.

Guest speaker Joseph Craten, deputy garrison commander, said that this graduating class was the most diverse group of students he has ever seen come through the academy.

More than half of the students came from several federal agencies outside of APG.

Craten talked about how the quality of APG academy graduates is being recognized around the Department of Defense.

"This is the first, and still the only accredited police academy in DOD. This academy and its graduates are setting the standard within DOD for military and civilian police officers," Craten said, adding one last reminder. "While your primary mission is the protection of people and property on APG, you are also here to assist. You will likely be the first person a visitor will meet as they enter APG. As the face of the U.S. Army to these citizens, you have a responsibility to treat them with dignity and respect and to assist them in any way possible."

After a brief photo session with families and friends, the graduates returned to the theater to receive honorary awards from Irving Soto, Tactical Defense instructor and World Champion Grand Master, 10th degree black belt

He stated he was very proud of the completion and accomplishments of the cadets and wanted to show appreciation for a job well

"In "Safety of Officers and Procedures and Guidelines," they learned to defend themselves against aggressive behavior," Soto said. "I taught soft and hard restraint techniques and proper procedures of law, governing the UCMJ. They were very motivated. They did everything we asked them to do. They worked really hard and they were an excellent group of students."

Class of 02-03 graduates: **Aberdeen Proving Ground Police**

Pvts. Jamie Arthur, Amanda Birmingham, Michael Ramos, Brandon Rentz and Jayson

Massey, Sgt. Anthony Basi, Staff Sgt. Barry Lewis, Spcs. Nicholas Benyo, Michael Callahan, Richard Norman, Jason Roane and Officer Thomas Wardrope

Defense Logistics Agency Police

Officers Justin Bankert, Geraldine Fadden, Nolan McGhee, Anthony Minium, Carlos Ramos, Aaron Shaw, Sherry Tostado and Mark Umphrey

National Guard Bureau Police

Officers Jerrod Crockett and Juan Guzman Carderock Police

Officer Carl Schaefer

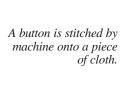
Fort Detrick Police

Lewis and Bonnie Robinson

Officers Brain Guarnieri, James Hull, Ronald



Lynne Hennessey, a clothing designer, measures a microclimatecooling draped on a dress form.









Earl Battle, a clothing designer, stitches an upper body portion of a prototype Future Warrior uniform.



Diane Kessinger, a clothing designer, uses an ultrasonic cutter.



Christine Reffel, senior CAD engineer, digitzes a paper pattern into the computer. Digitized patterns are easier and faster to modify.

Function for fashion

Curt Biberdorf

U.S. Army Soldier Systems Center

Although they're called clothing designers, the eight-member staff of the Design and Prototype Facility at the U.S. Army Soldier Systems Center mixes science into the artistry of not just vests, coats, shirts and trousers, but any textile-related military item worn or carried by warfighters.

From helmet covers to socks, they design it all, yet their work is rarely about fashion and primarily a matter of function.

"What we do is more innovative engineering," said Heather Cumming-Rowell, senior clothing designer. "We often have to figure out how to work with experimental fabrics with the goal to provide improved protection, mobility, comfort and fit. We're looking to give warfighters the capability they need in the field."

Furthermore, the designers need to ensure their design integrates with the rest of the warfighter's existing battle ensemble. Working for a variety of military customers, the facility

makes new designs and less frequently modifies an existing design with improved features.

Scattered around the work space, hanging dress forms display a wide scope of projects the designers have created, including the Air Warrior microclimate cooling garment, a protective body armor set used by combat engineers to clear mines, the Marine Corps utility uniform in the new camouflage pattern, and a reversible Battle Dress Uniform constructed with desert camouflage on one side and woodland on the other.

"This particular uniform went through several design generations, and each generation was a learning experience," Cumming-Rowell said about the two-sided uniform. "It uses a single-ply of fabric, and the original version had pass-through

pockets with offset flaps. It was a challenge, but we did it."

The design process begins with a hand-drawn or computerdrawn sketch so the customer can visualize the final item. Upon approval, the design is entered into a Computer Aided Design system that enables electronic storage and modification of the

"There are times when you really need to decipher every design detail to visualize what the customer is actually looking for in a prototype," said Rachel Rizoli, a clothing designer. "Once the pattern is digitized, you never have to repeat the complete process. Say someone doesn't like the location of a button or the angle of a pocket. A designer can change this in the CAD system."

The facility's Gerber CAD is compatible with many other CAD systems, and the designers can send electronic files of finished designs to manufacturers to reduce the turnaround of initial samples from weeks to days, according to Rizoli.

Each design drawn into the CAD system is in the master size and then graded to accommodate larger and smaller sizes.

Over the years, body shapes have changed, and designers have taken that factor into account by acquiring new "centralsized" dress forms for measuring or draping. The Army-specific dress forms were created as a result of the research on body shapes compiled in the Army's anthropometric database, said Steven Paquette, anthropology coordinator in the Science and Technology Directorate.

Once patterns are entered electronically, a mechanical cutter precisely slices pieces of fabric for assembly or can cut out oaktag patterns for designers, customers and contractors. Ballistic materials are still cut by hand with a circular power knife.

"Before the mechanical cutter, we cut all prototypes to be fab-

ricated by hand," Cumming-Rowell said, noting the time and fabric savings with the machine.

Once the pieces are cut, Rizoli compared the construction process to an engineering project. "It's as if you're building a bridge, connecting a series of parts that lead up to the final result."

For example, the standard BDU consists of a coat and trousers with 53 fabric pieces and four different sewing stitches. Chemical-biological protective clothing designs are tricky because of the emphasis on minimizing or sealing seams for leakproofing. The Chemical Protective Undergarment project incorporated a knitted design to aid in eliminating seams.

The facility owns a collection of machines to help designers make rapid prototypes.

Sewing machines complete various tasks, fusing machines create stiffness, an ultrasonic cutter slices fabric without fraying edges, and pneumatic machines set plastic and metal snaps, grommets and eyelets. Seam-sealing machines and heavy-duty presses are also available.

"Even while sewing the pieces together, designers can find ways to make an improvement better," Rizoli said.

The facility typically constructs 10 to 18 prototype copies for initial fit and wear tests, according to Cumming-Rowell.

The design team participates in first article inspections and field fit tests to develop patterns for use in technical data packages supporting large-scale procurement.

For more information about the center, visit Web site http://www.natick.army.mil.

(Editor's note: Curt Biberdorf is the editor of the U.S. Army Soldier Systems Center's "Warrior" magazine.)

Care Canada



Photos by YVONNE JOHNSON

Units with the Canadian Land Forces toured Aberdeen Proving Ground in May as part of the Technical Staff Course training agreement with the U.S. Army Research Laboratory and Aberdeen Test Center. Here, the soldiers enjoy a tour of the U.S. Army Ordnance Museum led by the museum's Director, Dr. William F. Atwater.



Dr. William F. Atwater, right, displays one of several dozen rare firearms maintained in the U.S. Army Ordnance Museum's arms room to members of the Canadian Land Force Technical Staff Course during their visit to APG in May.



Alexia Galmore, back, assists her niece Alexia Guidry tie a yellow ribbon on a tree at a ceremony which celebrated the Roye Williams Elementary School students' fund raising efforts leading to a donation to USO care packages, May 16.

Donation

From page 2

and dedication to such a worthwhile event," Mesaros said.

Suzanne Wills, military spouse, substitute teacher and parent expressed her sentiments.

"It took all of the students and staff to make this event the success that it was and I am proud to be part of a school that continues to support our military and each other during this difficult time," Wills said.

The ceremonial check was presented to Bob O'Reilly, a representative from the USO [United Service Organizations], on May 16, to purchase gifts, which include pre-paid world wide phone cards, sunscreen, travel size toiletries and messages from Americans who want to thank the troops for their service.

The patriotic spirit whirled throughout the gymnasium as students whose parents have been deployed tied yellow ribbons on a tree set up in the gym, and they, along with faculty and staff, parents and distinguished guests, recited

the Pledge of Allegiance and sung 'America,' and 'America the Beautiful,' directed by Cindy Bartlebaugh.

Most who attended the event classified it as heart felt.

"This event was a very personal and moving experience," said Melissa Daniels, whose son Derrick is in third grade at Roye Williams and whose husband is currently deployed to the Middle East.

Principal Sue Osborn said, "I am very proud of the students and staff for their participation and support of this worthwhile cause. Our students and staff needed an activity that would affect them in a positive way and allow them to show their military support during this time of international turmoil."

Wills said that this is not the only time that patriotism is shown at Roye-Williams, rather it's something that is recognized on a regular

"Everywhere you look in the halls of Roye Williams you will not see good caring citizens making a difference but you will see great caring citizens making a huge difference," Wills said.



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Using the MWR Equipment Resource Center

The MWR Equipment Resource Center is open Monday to Wednesday, 10 a.m. to 5 p.m.; Thursday and Friday, 10 a.m. to 6 p.m.; Saturday, 9 a.m. to 3 p.m. and closed on Sunday and federal holidays.

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Reservations can be made in person or by telephone at 410-278-4124.

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All other eligible patrons may reserve equipment 30 days in advance of required

date. **Rental procedures**

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Equipment is to be returned clean and dry. An inspection appointment may be required for some equipment.

When there is a Monday holiday, equipment will be returned on Tuesday with no charge for the extra day.

Equipment obtained after Friday, 3 p.m. and returned Monday by 10 a.m. will be charged only one and one half the daily fee.

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